

Datasheet for ABIN1531967
anti-MAP2K4 antibody (pSer80)



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2 Images

Overview

Quantity:	100 µL
Target:	MAP2K4
Binding Specificity:	AA 46-95, pSer80
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human SEK1/MKK4 around the phosphorylation site of Ser80.
Isotype:	IgG
Specificity:	SEK1/MKK4 (Phospho-Ser80) Antibody detects endogenous levels of SEK1/MKK4 only when phosphorylated at Ser80. PhosphorylationH:S80 M:S78 R:S78
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

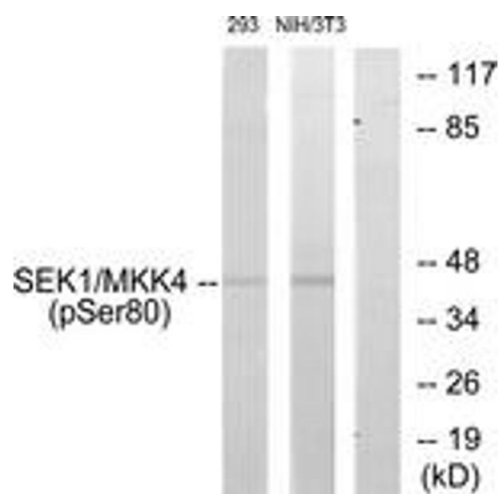
Target:	MAP2K4
Alternative Name:	SEK1/MKK4 (MAP2K4 Products)
Background:	Synonyms: c-Jun N- terminal kinase kinase 1, C-JUN N-terminal kinase kinase 1, Dual specificity mitogen-activated protein kinase kinase 4, JNK activating kinase 1, JNK kinase 1, JNKK, JNKK 1, JNKK1, kinase SEK1, MAP kinase kinase 4, MAP2K4, MAPK/ERK kinase 4, MAPKK NCBI Gene Symbol: MAP2K4
Molecular Weight:	44 kDa
Gene ID:	6416
OMIM:	601335
UniProt:	P45985
Pathways:	MAPK Signaling , TLR Signaling , Fc-epsilon Receptor Signaling Pathway , Activation of Innate immune Response , Toll-Like Receptors Cascades , BCR Signaling

Application Details

Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:5000
Comment:	Unigene-Number: Hs.514681 (NCBI Gene Symbol: MAP2K4)
Restrictions:	For Research Use only

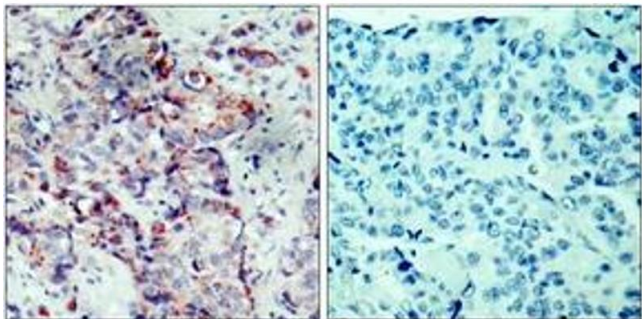
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot analysis of extracts from 293 cells and NIH-3T3 cells, using SEK1/MKK4 (Phospho-Ser80) Antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using SEK1/MKK4 (Phospho-Ser80) Antibody. The picture on the right is treated with the synthesized peptide.